



Managed SD-WAN for Secure, Scalable Connectivity for Apps and Distributed Enterprises

Data, devices, distributed workforces, high-bandwidth apps, and cybersecurity are pushing traditional WAN past its limits. Managed SD-WAN provides agile, secure, affordable connectivity via the internet to augment or replace MPLS.

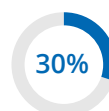
As Work Changes, So Too Must Connectivity

Legacy WAN connectivity is under pressure, failing to deliver the bandwidth needed to support the influx of devices, things, people, and applications demanding anytime, anywhere access to network capacity. The result is latency and downtime that puts app performance and user productivity at risk.

As the enterprise becomes more distributed, workers in branch offices, remote locations, and home offices need connectivity. Yet rigid WAN, with its complex routing protocols and transport over expensive MPLS leased lines, is fixed in its capacity. VPN connects some workers, but not all. Those without a VPN rely on third-party apps for collaboration out of IT view and control.

Applications are another WAN challenge. Apps are no longer being provisioned on premises, but rather via a mix of data centers, private clouds, and public clouds. Routing all this traffic through the data center creates latency that impacts app performance while driving up costs over leased lines. As new applications are deployed, traditional WAN upgrades can take days or weeks of IT time, effort, and expertise.

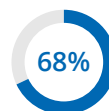
What's Driving Demand for WAN Upgrades?



30% of U.S. workers will be remote through 2021¹



124% surge in VPN use occurred during the pandemic²



68% of branch offices and roaming users were compromised in recent cybersecurity attacks³

SD-WAN for Agile, Secure, Affordable Connectivity

Software-defined wide-area networking (SD-WAN) uses a virtual WAN architecture to connect branches to data centers and multicloud environments through internet lines. It decouples the transport services from the control plane and uses software to route traffic based on app performance and security requirements. Because the control plane is software-defined, security and QoS policies are managed centrally.

SD-WAN makes the most of legacy WAN architecture, adding software-defined capacity transported over broadband to reduce the cost and complexity of MPLS leased lines. It connects any user to any app and safeguards connectivity with cloud-based security to protect against cyber threats, while enabling IT teams to accelerate the transition to a secure access service edge (SASE) architecture.

By 2023, more than 90% of WAN edge infrastructure refresh initiatives will be based on vCPE or SD-WAN appliances, rather than traditional routers.⁴

Pomeroy for Managed and Secured Cisco SD-WAN

Pomeroy delivers a managed Cisco SD-WAN solution based on our deep technical expertise and 20+ years of managed WAN experience, along with access aggregation services to help clients optimize their SD-WAN outcomes. We have agreements with over 250 access providers across North America and the management of 20,000+ broadband circuits.

The Proof Is in Our Process

Pomeroy offers a four-step managed SD-WAN process to ensure our clients' best outcomes. Our managed SD-WAN approach has helped a veterinary hospital reduce network costs by 33% and a Top 15 insurer achieve 3–5x bandwidth improvement.

Pomeroy's Four Steps to Managed SD-WAN:

1. Evaluation of application and remote connectivity requirements, including circuit technologies, fiber, broadband, DSL, Ethernet, 4G, and LTE services.
2. Design of SD-WAN architecture to connect branches, remote offices, and data centers with alignment to QoS and security requirements.
3. Deployment of a successful SD-WAN transition, with testing, turn-up, training, and support.
4. Management by our network engineering team, with upgrades as new apps are onboarded and configuration changes based on network performance.

Why Cisco SD-WAN?

Cisco SD-WAN is a secure, cloud-scale architecture that is open, programmable, and scalable.



SPEED

58% faster implementation of policy and configuration changes and 59% faster onboarding of new services



COST

65% lower cost of connectivity and 38% lower five-year cost of WAN⁵



LATENCY

48% reduced app latency across deployments⁵



AVAILABILITY

94% reduction in unplanned downtime⁵

Optimize Your Digital Workplace With Pomeroy

Our holistic solutions create a digital workplace that is intelligent, highly available, fully enabled, and fully connected. One that is consumable by our clients in ways that best meet their specific business demands. One that delivers an intelligent, always-on user experience and helps organizations become digital disruptors in their markets.

For more information, contact Pomeroy at 859.689.3526.

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¹ Global Workplace Analytics, "Work-At-Home After Covid-19—Our Forecast," accessed May 2021

² Network Computing, "Why You Must Kill Your VPN to Support Remote Work," Aug. 2020

³ Cisco web page, "SD-WAN and SASE: The new landscape of networking," accessed May 2021

⁴ Network World, "What is SD-WAN, and what does it mean for networking, security, cloud?" Oct. 2019

⁵ Cisco web page, "5 use cases for Cisco SD-WAN," accessed May 2021